



## Innovation Disclosure

Docket No.: 97RSS327  
Ranking: A1

### 1. Innovator(s)

Name	SSN	Dept.	Mail Code	Telephone	Supervisor
Joel D Peshkin					
Paul Wren					
Michael Whitfield					

Redacted

### 2. Title of Invention

Separating Commands And Data Using Logical Channels

### 3. Problem Solved

Modems require 2 type of information flow, one for commands intended for interpretation by the local modem, and one for tx data that should be passed on to the remote modem. Current implementations use command and data modes to distinguish when the information flow is for the local or remote modem.

This requires procedures to switch from one mode to another (some of which are patented), and overhead to implement these procedures. It also means that while a command is being executed, no data can be sent to the far end.

### 4. Previous Solutions

### 5. Solution

This new solution turns one physical channel into two logical channels. It does this by setting aside a group of hardware registers which pass messages about the data, one parameter of the messages being the channel number. By reserving one channel number for commands, and another for data, the information's destination can be indicated. This avoids the need for command and data mode and the procedures and overhead switching modes requires. It also means that a command can be sent followed immediately by data, and the data will not upset the command.

### 6. Differences/Advantages Over Previous Solutions

## 7. Status of Innovation

Idea If "Other", please specify

## 8. Product or program in which innovation will be used:

RL56CSM/3 (Tripac project)

## 9. Has anyone disclosed or does anyone plan to disclose your innovation outside the Company?

☒ Yes      ☐ No      ☐ Don't Know

If "Yes", where: RL56CSM/3 Host Interface Spec

## 10. Has anyone proposed or does anyone plan to propose a product or program to a customer which includes your innovation?

☒ Yes      ☐ No      ☐ Don't Know

If "Yes", when and how: Early June 97

## 11. Innovator signature(s): (Do not use black ink)

\_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_

Entered: Donna Bastedo @ 07/08/97 10:45 AM

Modified: James K Dawson @ 11/18/97 10:10 AM

### Revision History:

Revised: 23-Jul-1997 12:59 PM by Donna Bastedo  
23-Jul-1997 05:33 PM by James K Dawson  
21-Sep-1997 01:44 PM by James K Dawson  
18-Nov-1997 10:10 AM by James K Dawson  
18-Nov-1997 10:10 AM by James K Dawson



Philip K. Yu  
Intellectual Property Law Department

Department 676, MS 510-800  
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January 13, 1998

Mike Kelly, Esq.  
Snell & Wilmer  
One Arizona Center  
Phoenix, AZ 85004-0001

Re: Patent Application Preparation

Dear Mike:

We are very pleased that Snell & Wilmer is now able to help us in the preparation and filing of patent applications for our business units. As Mark and I discussed last week, please prepare patent applications for the below listed fifteen (15) disclosures (copies attached):

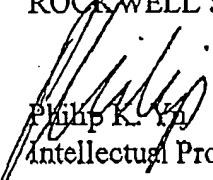
Our Docket No.	Inventor(s)	Title	Known Bar Dates
		Redacted	
		Redacted	
		Redacted	
97RSS327	Peshkin; Wren; Whitfield	Separating Commands and Data Using Logical Channels	
		Redacted	

[illegible]

**Redacted**

**Redacted**

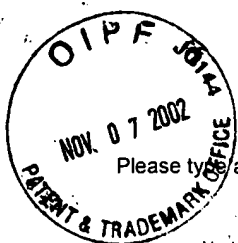
ROCKWELL SEMICONDUCTOR SYSTEMS, INC.

  
Philip K. Yip  
Intellectual Property Law Counsel

PKY/moc

Attachments (15)

g:oc/snell&wilmer/auth0113



2631

SS

Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paper Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/264,065
	Filing Date	Mar 8, 1999
	First Named Inventor	Peshkin, Joel D
	Group Art Unit	2631
	Examiner Name	Kevin M. Burd
Total Number of Pages in This Submission		16
Attorney Docket Number		01CON222P

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Technology Center 261

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. Declaration of Applicant, Paul Wren 2. Declaration of Applicant, Joel D. Peshkin 3. Redacted Exhibits
<input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Farshad Farjani, Esq. Reg. No. 41014 Farjani & Farjani LLP
Signature	
Date	October 30, 2002

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date: October 30, 2002			
Type or printed name	Lori Llave		
Signature		Date	October 30, 2002

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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

☐ Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**0.00**

## Complete if Known

Application Number 09/264,065

Filing Date 3/8/1999

First Named Inventor Peshkin, et al.

Examiner Name Kevin M. Burd

Group Art Unit 2631

Attorney Docket No. 01CON222P

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Technology Center 2600

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit Account Number 50-0731

Deposit Account Name Farjami & Farjami LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$)

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		Extra Claims		Fee from below	Fee Paid
Independent	Claims	-20**=	X		
		-3**=	X		
Multiple Dependent					

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

\*\* or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee	Fee	Fee	Fee		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Farshad Farjami, Esq.	Registration No. (Attorney/Agent)	41014	Telephone	(949) 784-4600
Signature				Date	10/30/02

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